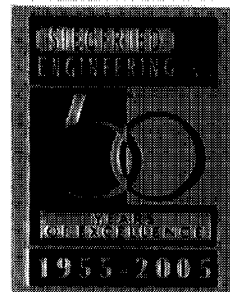


**SIEGFRIED**

ENGINEERING, INC.

SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

PD 2074  
1 of 2



January 30, 2006

Mr. Ron Ganzfried  
U.S. Army Engineer District, Sacramento  
Planning Division  
1325 J Street  
Sacramento, CA 95814

**Subject: Response to Request for Proposals, Potential Initial Projects**

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2074's proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is our Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact me directly at 209-943-2021, or e-mail at [dantypas@siegfriedeng.com](mailto:dantypas@siegfriedeng.com).

Very truly yours,  
**Siegfried Engineering, Inc.**

  
Deedee A. Antypas

lj

ROBERT W. SIEGFRIED  
founder  
LEX A. CORRALES  
ANTHONY J. LOPES  
RODNEY W. GRAY

cc: Nelson Bahler, Reclamation District No. 2074 President  
Robert Ripkin, Reclamation District No. 2074 Trustee  
Mark Fischer, Reclamation District No. 2074 Trustee  
George V. Hartmann, Esq., *The Hartmann Law Firm*, District Counsel

CIVIL ENGINEERING • STRUCTURAL ENGINEERING • LAND SURVEYING • PLANNING

4045 Coronado Avenue, Stockton, California 95204-2396

Tel (209) 943-2021 • Fax (209) 942-0214 • [mail@siegfriedeng.com](mailto:mail@siegfriedeng.com)

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**RECLAMATION DISTRICT NO. 2074**  
**RESPONSE TO REQUEST FOR PROPOSALS**  
**CORPS OF ENGINEERS**  
**CALFED LEVEE SYSTEM INTEGRITY PROGRAM**

**Name & Purpose of Potential Initial Project:**

Reclamation District No. 2074, Brookside Estates, Ten Mile Levee Reinforcement Project: Provide stabilization and erosion control to the San Joaquin River back-up levee.

**Location:**

Reclamation District No. 2074 (RD 2074), commonly referred to as Brookside Estates, is within the legal Sacramento-San Joaquin Delta and is located within the City of Stockton, San Joaquin County, California. RD 2074 is a residential district with approximately three thousand (3000) homes. The levees maintained by RD 2074 have been certified by the Corps of Engineers. It is located in the westerly portion of the City of Stockton. RD 2074 is generally bounded on the east by Smith Levee (a land levee), on the north by Fourteen Mile Slough, on the west by Ten Mile Slough and the San Joaquin River, and on the south by the Calaveras River. It is easily reached by I-5 and March Lane. The specific project location, shown on the attached map, is along Ten Mile Levee.

**Problems:**

RD 2074 is a residential district with approximately 3000 homes that are flood protected by almost five miles of levee. The west boundary of the district is a dry land levee referred to as Ten Mile Levee. This levee is a back-up levee to the San Joaquin River, which is the east boundary of the adjacent reclamation district, RD 2119. The

San Joaquin River has threatened RD 2119 over several years with overtopping, seepage, and collapsing beaver dens. When Brookside Estates was developed, Ten Mile Levee was designed and constructed to withstand wave run-up and fetch from a failure of the San Joaquin levee in RD 2119. It is regularly inspected and maintained by RD 2074, but the full effect of burrowing rodents in the native levee is unknown. The Ten Mile Levee still remains untested with water against it.

If a failure occurs in RD 2119, the untested Ten Mile levee is the only protection along the west boundary of RD 2074, and the only protection for those 3000 homes. The storm and high water conditions over the New Year weekend was a wake-up call for RD 2074 and the urgency to protect itself from problems on the adjacent reclamation districts. It has been a reminder that RD 2074, an urban district, should not depend upon RD 2119, a rural district, to maintain its levees to the high standards that RD 2074 thinks is necessary and the residents of the district expect.

**Opportunities:**

To fully flood protect RD 2074 from a breach in the adjacent district, Ten Mile Levee needs to be reinforced to withstand not only the wave run-up, but erosion and seepage as well. A bare land levee will not withstand the erosive forces of water against it for very long, and the increased pressure against the levee will cause seeps to develop throughout the mile long levee. RD 2074 is a fully developed residential district and homes are located along the entire length of this levee. The increased pressure on the dry land levee will threaten the adjacent homes, and eventually the entire district.

Reinforcing the west slope of Ten Mile Levee with geotextiles, stone fill, and stone protection will serve to protect the levee from erosive water forces, to protect against burrowing animals that may compromise the integrity of the levee, and to mitigate seeps.

RD 2074 is also the west boundary of the City of Stockton. Maintenance and repair work on the levees within RD 2074 not only flood protects the district, but the remainder of central Stockton as well.

**Project Description:**

The proposed project will reinforce and stabilize the west slope of Ten Mile Levee by clearing and grubbing the slope, reshaping to its original 3:1 slope, protecting the native levee with geotextile fabrics and/or stone fill, and protecting the stability and overall integrity with stone protection.

Located approximately twenty feet (20') west of the toe of the levee is Ten Mile Slough, a small drainage and irrigation slough. This waterway will need to be protected during any construction activities. Its location away from the toe of the levee precludes it from being a hindrance to the proposed reinforcement project. Access to the proposed project site is by the paved levee crown with sufficient room for construction equipment and materials.

RD 2074 has performed a preliminary biological assessment to determine the extent of mitigation that might be required. A copy of this preliminary assessment is available for your review upon request. Preliminary design plans can be prepared upon request. The result of this project would provide RD 2074 with flood protection from a levee failure in an adjacent district. The project would also serve to assure 3000 residents that RD 2074 is progressively working to maintain the levees that flood protect their homes.

**Statement of Willingness and Ability to Cost Share:**

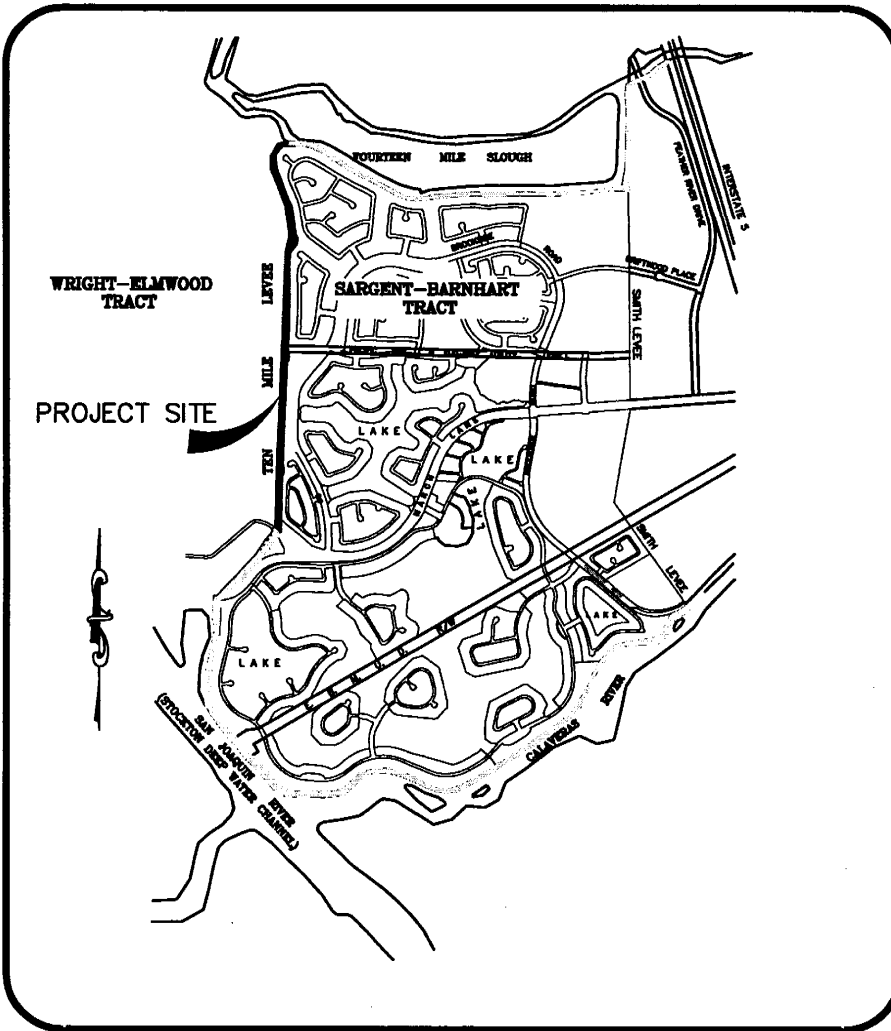
RD 2074 is prepared to participate in this project by providing design and construction services, prepare and obtain any required permits, and to fund a portion of the work. An executed Letter of Intent to cost share is attached for your use.

RD 2074 is funded by fees collected from the property owners within the district. A successful project, shared with the Corps of Engineers, will reinforce with the residents of RD 2074 and the City of Stockton that RD 2074 is working diligently to flood protect their homes.

**Point of Contact:**

For further information, necessary documentation, and/or questions, please contact the Engineer for Reclamation District No. 2074 at:

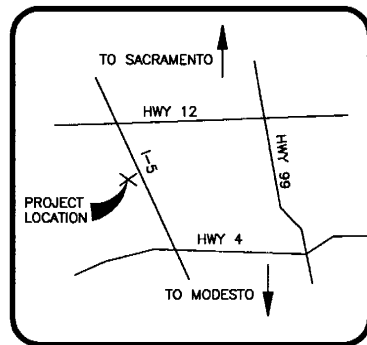
Siegfried Engineering, Inc.  
Deedee Antypas  
4045 Coronado Avenue  
Stockton, CA 95204  
Phone: 209-943-2021  
Fax: 209-942-0214  
Email: [dantypas@siegfriedeng.com](mailto:dantypas@siegfriedeng.com)



**VICINITY MAP**  
NOT TO SCALE

**AREA MAP**

NOT TO SCALE



PURPOSE: TEN MILE LEVEE  
REINFORCEMENT PROJECT TO  
FLOOD PROTECT RD 2074

DATUM: N.G.V.D. 29  
CITY OF STOCKTON  
ADJUSTMENT 1996

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**VICINITY & AREA MAP**

RECLAMATION DISTRICT NO. 2074  
STOCKTON, SAN JOAQUIN CO.  
CALIFORNIA

PROPOSED AREA TO BE  
REINFORCED WITH STONE  
PROTECTION

IN: TEN MILE SLOUGH  
AT: STOCKTON, CALIFORNIA  
COUNTY OF: SAN JOAQUIN CA.  
APPLICATION BY: RD 2074

SHEET 1 OF 1 1/30/06

# RECLAMATION DISTRICT NO. 2074

c/o The Hartmann Law Firm  
3255 W. March Lane, Ste 310  
Stockton, CA 95219

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January 30, 2006

Colonel Ronald N. Light  
District Engineer  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, CA 95814

**Subject: Letter of Intent to Share Costs**

Dear Colonel Light:

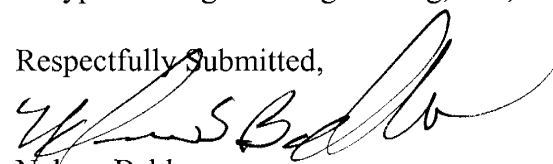
This letter conveys Reclamation District No. 2074's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2074, Ten Mile Levee Reinforcement Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2074 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2074 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

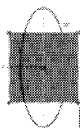
Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted,



Nelson Bahler,  
Reclamation District No. 2074 President

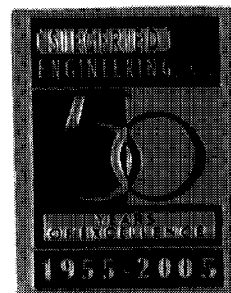


**SIEGFRIED**

ENGINEERING, INC.

SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

RD 2074  
2 of 2



January 30, 2006

Mr. Ron Ganzfried  
U.S. Army Engineer District, Sacramento  
Planning Division  
1325 J Street  
Sacramento, CA 95814

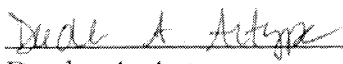
**Subject: Response to Request for Proposals, Potential Initial Projects**

Dear Mr. Ganzfried:

Attached for your consideration is Reclamation District No. 2074's proposed project to be considered in your CALFED Levee System Integrity Program, Development of Potential Initial Projects. Also attached is our Letter of Intent to share costs.

Thank you for your consideration. If you have any questions, please do not hesitate to contact me directly at 209-943-2021, or e-mail at [dantypas@siegfriedeng.com](mailto:dantypas@siegfriedeng.com).

Very truly yours,  
**Siegfried Engineering, Inc.**

  
Deedee A. Antypas

lj

ROBERT W. SIEGFRIED  
Founder  
LEX A. CURRALES  
ANTHONY J. LOPES  
RODNEY W. GRAY

cc: Nelson Bahler, Reclamation District No. 2074 President  
Robert Ripkin, Reclamation District No. 2074 Trustee  
Mark Fischer, Reclamation District No. 2074 Trustee  
George V. Hartmann, Esq., *The Hartmann Law Firm*, District Counsel

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4045 Coronado Avenue, Stockton, California 95204-2396

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Tel (209) 943-2021 • Fax (209) 942-0214 • [mail@siegfriedeng.com](mailto:mail@siegfriedeng.com)



**RECLAMATION DISTRICT NO. 2074**  
**RESPONSE TO REQUEST FOR PROPOSALS**  
**CORPS OF ENGINEERS**  
**CALFED LEVEE SYSTEM INTEGRITY PROGRAM**

**Name & Purpose of Potential Initial Project:**

Reclamation District No. 2074, Brookside Estates, Calaveras River and San Joaquin River Levee Slope Stabilization Project: Provide stabilization and erosion control on the Calaveras River and San Joaquin River levees.

**Location:**

Reclamation District No. 2074 (RD 2074), commonly referred to as Brookside Estates, is within the legal Sacramento-San Joaquin Delta and is located within the City of Stockton, San Joaquin County, California. RD 2074 is a residential district with approximately three thousand (3000) homes. The levees maintained by RD 2074 have been certified by the Corps of Engineers. It is located in the westerly portion of the City of Stockton. RD 2074 is generally bounded on the east by Smith Levee (a land levee), on the north by Fourteen Mile Slough, on the west by Ten Mile Slough and the San Joaquin River, and on the south by the Calaveras River. It is easily reached by I-5 and March Lane. The specific project location, shown on the attached map, is along the Calaveras River and San Joaquin River levees. The Calaveras River levee is a project levee. The San Joaquin River levee is a non-project levee, but is located along the major shipping channel.

**Problems:**

RD 2074 is a residential district with approximately 3000 homes that are flood protected by almost five miles of levee. The south and westerly boundaries of the district are along the Calaveras San Joaquin Rivers. The Calaveras River is an active waterway with seasonal high flows and boat traffic. The portion of the district along the San Joaquin River is part of the main shipping channel. The levees have crown elevations exceeding thirteen feet (13'), and an adjacent pedestrian path at an approximate elevation of eight feet (8'). The levees are inspected weekly and actively maintained. But often rodent activity is not identified until it is too late and the high

water flows and wave action have eroded away a large portion of the stone protection stabilizing the slope below the pedestrian path.

A failure along either the Calaveras River or the San Joaquin River would have disastrous effects on the 3000 homes flood protected by these levees and on a significant portion of central Stockton. The storm and high water conditions over the New Year weekend caused significant erosion in some areas along these rivers. RD 2074 has identified reinforcing these levees as a high priority for continuing to flood protect the district.

### **Opportunities:**

Stone reinforcement needs to be reconstructed along the waterside levee slope to fully flood protect RD 2074 from erosive failure along the Calaveras and San Joaquin Rivers. The continued exposure of the native levee to strong river forces and wave action will compound the problem if not addressed. The stone reinforcement will also help deter burrowing rodents from settling within the levee structure. RD 2074 is a fully developed residential district with homes located immediately adjacent to these levees.

Reinforcing the waterside slope of the Calaveras and San Joaquin River levees with geotextiles, stone fill, and stone protection will serve to protect the levee from erosive water forces and to protect against burrowing animals that may compromise the integrity of the levee.

RD 2074 is also the west boundary of the City of Stockton. Maintenance and repair work on the levees within RD 2074 not only flood protects the district, but the remainder of central Stockton as well.

### **Project Description:**

The proposed project will reinforce and stabilize the waterside slope, below the pedestrian path, of the Calaveras River and San Joaquin River levees bordering RD 2074

by clearing, grubbing and reshaping the slope, protecting the native levee with geotextile fabrics and/or stone fill, and protecting the stability and overall integrity with stone protection.

RD 2074 has maintained the growth of vegetation along these waterways so mediation for removal of habitat and protected vegetation is not a concern. In addition, the levee crown is fully paved for easy access of construction equipment and materials. The result of this project would be to provide RD 2074 with flood protection from erosive action on an active waterway adjacent to the district. The project would also serve to assure 3000 residents that RD 2074 is progressively working to maintain the levees that flood protect their homes.

**Statement of Willingness and Ability to Cost Share:**

RD 2074 is prepared to participate in this project by providing design and construction services, prepare and obtain any required permits, and to fund a portion of the work. An executed Letter of Intent to cost share is attached for your use.

RD 2074 is funded by fees collected from the property owners within the district. A successful project, shared with the Corps of Engineers, will reinforce with the residents of RD 2074 and the City of Stockton that RD 2074 is working diligently to flood protect their homes.

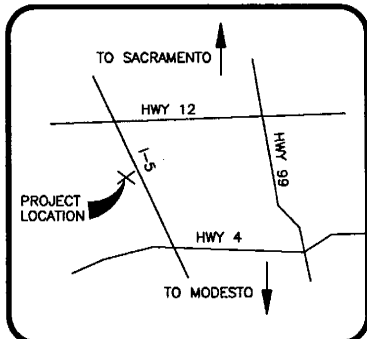
**Point of Contact:**

For further information, necessary documentation, and/or questions, please contact the Engineer for Reclamation District No. 2074 at:

Siegfried Engineering, Inc.  
Deedee Antypas  
4045 Coronado Avenue  
Stockton, CA 95204  
Phone: 209-943-2021  
Fax: 209-942-0214  
Email: dantypas@siegfriedeng.com

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**VICINITY MAP**  
**NOT TO SCALE**



PURPOSE: CALAVERAS AND SAN JOAQUIN RIVER LEVEES SLOPE STABILIZATION PROJECT

DATUM: N.G.V.D. 29  
CITY OF STOCKTON  
ADJUSTMENT 1996

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### VICINITY & AREA MAP

RECLAMATION DISTRICT NO. 2074  
STOCKTON, SAN JOAQUIN CO.  
CALIFORNIA

PROPOSED AREA TO BE REINFORCED  
WITH STONE PROTECTION

IN: CALAVERAS RIVER &  
SAN JOAQUIN RIVER  
AT: STOCKTON, CALIFORNIA  
COUNTY OF: SAN JOAQUIN CA.  
APPLICATION BY: RD 2074

SHEET 1 OF 1      1/30/06

# RECLAMATION DISTRICT NO. 2074

c/o The Hartmann Law Firm  
3255 W. March Lane, Ste 310  
Stockton, CA 95219

---

January 30, 2006

Colonel Ronald N. Light  
District Engineer  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, CA 95814

**Subject: Letter of Intent to Share Costs**

Dear Colonel Light:

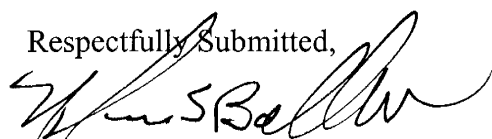
This letter conveys Reclamation District No. 2074's intent to participate in feasibility studies and/or other actions in the development of Reclamation District No. 2074, Calaveras River and San Joaquin River Levee Slope Stabilization Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

Reclamation District No. 2074 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. Reclamation District No. 2074 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, right-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. Thank you for your consideration. We look forward to working with the U. S. Army Corps of Engineers, the State of California, and other CALFED agencies and stakeholders on this important project.

If you have any questions, please do not hesitate to contact our District Engineer, Deedee Antypas at Siegfried Engineering, Inc., 209-943-2021.

Respectfully Submitted,



Nelson Bahler,  
Reclamation District No. 2074 President